

Computational of whole number reasoning best trick | #SSC #CHSL #CGI #SSC

✧ Status	Done
≡ Chapter	Computation of Whole Numbers
≡ Course	Staff Selection Commission Multi-Tasking Staff (SSC MTS)
≡ Content Type	Questions and Answers
≡ Reference	
≡ Subject	Numerical Aptitude
≡ Topic	
🕒 Last updated by Ruhul Amin	@May 10, 2023 6:38 PM
🕒 Created time	@May 10, 2023 5:41 PM
≡ Difficulty Level	Easy
≡ Mistake type	
≡ Previous Year Questions	
➤ Children	<u>Numerical Aptitude : Computation of Whole Numbers</u>
➤ Parent	

Question: The profit of a business to be divided in ratio 5:7.
The smaller share amount is 2000.
What is the larger share?

Options:

- Ⓐ 2800
- Ⓑ 1166
- Ⓒ 2500
- Ⓓ 2750

Solution:

Given ratio = 5:7

Smallest share amount = 2000

largest " " = ?

Let assume x be the largest share.

$$5:7 = 2000:x$$

$$7 \times 2000 = 5x$$

$$5x = 14000$$

$$\boxed{x = 2800} \text{ Answer}$$

Correct option: (A)

Solution by options :

Option (A)

$$2000 : 2800$$

$$= 5 : 7 \quad \text{Ans.}$$

let's check other options as well

option (B) $2000 : 1166 \neq 5 : 7$

option (C) $2000 : 2500$

$$4 : 5 \neq 5 : 7$$

option (D) $2000 : 2750 \neq 5 : 7$

Question : A boy takes 15 minute to walk to school at a speed of 5 km/hr. How much time would he take if he cycled at 15 km/hr ?

Solution:

$$\text{time} = 15 \text{ min}$$

$$\text{speed} = 5 \text{ km/hr}$$

$$\text{distance} = \text{speed} \times \text{time}$$

$$= 5 \frac{\text{km}}{\text{hr}} \times \frac{15}{60} \text{ hr}$$

$$= \frac{5}{4} \text{ km}$$

$$\text{speed} = 15 \text{ km/hr}$$

$$\text{distance} = \frac{5}{4} \text{ km}$$

$$\text{time} = \frac{\text{distance}}{\text{speed}}$$

$$= \frac{5}{4} \text{ km} \times \frac{1}{15} \frac{\text{hr}}{\text{km}}$$

$$= \frac{1}{12} \text{ hr}$$

$$= \frac{60}{12} \text{ min}$$

$$\text{time} = 5 \text{ min}$$

$$\text{Ans} = 5 \text{ min}$$

Reference

Computational reasoning best trick | #SSC #CHSL #CGI #SSC <https://youtu.be/0zaRTmTzy>

Computation of whole number | Number system | SSC | CGL | CHSL 2020

whole numbers

number system

<https://www.youtube.com/watch?v=UB5QNpNrfKo>

